# INDEX TO VOLUME IX.


ACUTE pancreatitis, collapse in, 385
Acute yellow atrophy of the liver, 627
Agglutinins, electrical charge of, 222
ALLEN, DUDLEY P., and PARKER, HENRY P. Hydronephrosis of right kidney, congenital atresia of left ureter, and marked atrophy of left kidney, 82
Antiseptics, effect on phagocytosis of, 473
Antitetanic action of eosin, 281
Atrophy of kidney, 82

BACILLUS mallei, 241
Bacteria in tissue, a method of differentiating, 381
BARKER, BERTHA I. See OPIE and BARKER, 207
BEATTIE, JAMES M. A contribution to the bacteriology of rheumatic fever, 186.
Blood pressure, influence of organ extracts on, 606
Blood vessels, heterotransplantation of, 226
Boric acid, effect on phagocytosis of, 473
Breast, calcification of, 1
BRIGGS, C. E. See SOLLMANN, WILLIAMS and BRIGGS, 71
BUERGER, LEO. The differentiation of streptococci by means of fermentative tests, 428
BUXTON, B. H. See TEAGUE and BUXTON, 254

CALCIFICATION of the breast, 1
CAPPS, J. A. and SMITH, J. F. Experiments on the leukolytic action of the blood serum of cases of leukæmia treated with x-ray and the injection of human leukolytic serum in a case of leukæmia, 51
Carbolic acid, effect on phagocytosis of, 473
CARREL, ALEXIS. Heterotransplantation of blood vessels preserved in cold storage, 226
Cerebro-spinal meningitis, experimental, 142
CHRISTIAN, HENRY A. Multiple myeloma: a histological comparison of six cases, 325
Cirrhosis, portal, 93.

DIPLOCOCCUS intracellularis, biology of, 105, 588
Diplococcus intracellularis, experimental infection with, 168
DUVAL, CHARLES W. A method of differentiating in sections of tissue bacteria decolorized by Gram's stain, 381
———. The experimental vascular lesions produced by Bacillus mallei, 241
DUVAL, CHARLES W., and WHITE, PERCIVAL G. The histological lesions of experimental glanders, 352

ECK'S fistula, 229
EGDAHL, ANFIN. A study of the effect of intravenous injection of solutions of pancreatic tissue; with especial reference to the cause of collapse in acute pancreatitis, 385
Enzymes with experimental liver necrosis, 534
Eosin, antitetanic action of, 281
Eosin combined with methylene blue, 645
Eosin, local immunity to tetanus with, 291

FATS and lipoids with experimental liver necrosis, 578
Fatty acids, 436
Fever, metabolic changes with, 671
Fibrinous exudate, resolution of a, 391
FIELD, CYRUS W., and TEAGUE, OSCAR. On the electrical charge of the native proteins and agglutinins, 222
———, ———. The electrical charge of toxin and antitoxin, 86
FLEXNER, SIMON. Concerning a serum-therapy for experimental infection with Diplococcus intracellularis, 168

———. Contributions to the biology of Diplococcus intracellularis, 105
———. Experimental cerebro-spinal meningitis in monkeys, 142
———. Spirochæta (treponema) pallida and syphilis, 464
FRANK, ROBERT T. Results obtained by the injection of placenta into animals of the same and of different species, 263

GALL stones, pathogenesis of, 319
Glanders, histological lesions of experimental, 352
Gonococcus, 588
Gram's stain, bacteria decolorized by, 381

HAZEN, H. H. See THAYER and HAZEN, 1
Hemolysins, electric charges of, 254
HERRICK, FREDERICK C. An experimental study into the cause of the increased portal pressure in portal cirrhosis, 93
Heterotransplantation of blood vessels, 226
Hexon bases, 520
Hydronephrosis, 82

IMMUNITY to tetanus 291
Inflammatory exudates, opsonins of, 515

JACKSON, HOLMES C., and PEARCE, RICHARD M. Experimental liver necrosis: hexon bases, 520
———, ———. Experimental liver necrosis: nuclein metabolism, 569
———, ———. Experimental liver necrosis: the fats and lipoids, 578
JACKSON, HOLMES C. See PEARCE and JACKSON, 534, 552
JOSEPH, DON R. Further investigation upon the influence of organ extracts of cold-blooded animals on the blood pressure, 606

KIDNEY, atrophy of, 82
Kidney, hydronephrosis of, 82
KRAMER, S. P. On the function of the posterior spinal ganglia, 314
———. The pathogenesis of gall stones, 319

LECITHIN, 436
Leucoprotease and anti-leucoprotease, 207.
Leukaemia, leukolytic action of blood serum in, 51
Leukolytic action of blood serum in leukaemia, 51
LEVENE, P. A. See SWEET and LEVENE, 229
Liver, acute yellow atrophy of, 627
Liver, experimental necrosis of, 520, 534, 552, 569, 578
Liver, multiple non-inflammatory necrosis of, 64
Local immunity to tetanus, 291
LUCAS, D. R. See MELTZER and LUCAS, 298

MADSEN, TH., and NOGUCHI, HIDEYO. Toxins and antitoxins —snake venoms and antivenins, 18
Magnesium salts, 298
MANWARING, WILFRED H., and RUH, HAROLD O. The effect of certain surgical antiseptics and therapeutic agents on phagocytosis. I. Carbolic acid, mercuric chloride, boric acid, quinine hydrochloride, 473
MELTZER, S. J., and LUCAS, D. R. Physiological and pharmacological studies of magnesium salts. V. The influence of nephectomy upon their toxicity, 298
Meningitis, experimental, 142, 168
Mercuric chloride, effect on phagocytosis of, 473
Methylene blue, chemistry of, 645
MORRIS, MARGARET. See STOOKEY and MORRIS, 312
Myeloma, multiple, 325

NECROSIS of the liver, experimental, 520, 534, 552, 569, 578
Necrosis of the liver, multiple non-inflammatory, 64
Nephrectomy, toxicity of magnesium salts after, 298
Nitrogenous metabolism with experimental liver necrosis, 552
NOGUCHI, HIDEYO. Local immunity to tetanus in inoculated rats treated with eosin 291
———. On extracellular and intracellular venom activators of the blood, with especial reference to lecithin and fatty acids and their compounds, 436
———. On the influence of the reaction and of desiccation upon opsonins, 455
———. The nature of the antitetanic action of eosin, 281
NOGUCHI, HIDEYO. See MADSEN and NOGUCHI, 18

Nuclein metabolism with Eck's fistula, 229
Nuclein metabolism with experimental liver necrosis, 569

OPIE, EUGENE L. Experimental pleurisy—resolution of a fibrinous exudate, 391
———. Opsonins of inflammatory exudates, 515
———. The transformation of serofibrinous into purulent pleurisy, 414
OPIE, EUGENE L., and BARKER, BERTHA I. Leucoprotease and anti-leucoprotease of mammals and of birds, 207
Opsonins, 473, 455, 487, 515
Organ extracts of cold-blooded animals, 606
OTT, ISAAC, and SCOTT, JOHN C. Fever: its metabolic changes, 671

PANCREATIC tissue, intravenous injections of, 385
PARKER, HENRY P. See ALLEN and PARKER, 82
PEARCE, RICHARD M., and JACKSON, HOLMES C. Experimental liver necrosis: enzymes, 534
———, ———. Experimental liver necrosis: nitrogenous metabolism, 552
PEARCE, RICHARD M. See JACKSON and PEARCE, 520, 569, 578
Placenta, injection into animals of, 263
Pleurisy, experimental, 391
Pleurisy, serofibrinous and purulent, 414
Portal pressure, 93
Proteins, electrical charge of, 222

QUININE hydrochloride, effect on phagocytosis of, 473

RHEUMATIC fever, bacteriology of, 186
RUH, HAROLD O. See MANWARING and RUH, 473

SALICYLIC acid, influence upon uricolysis of, 312
SCOTT, JOHN C. See OTT and SCOTT, 671
Serum therapy for experimental cerebro-spinal meningitis, 168
SIMON, CHARLES E. A further contribution to the knowledge of the opsonins, 487
SMITH, J. F. See CAPPS and SMITH, 51
Snake venoms and antivenins, 18
SOLLMANN, TORALD, WILLIAMS, W. W., and BRIGGS, C. E. Experimental atresia of the ureter, 71
Spinal ganglia, function of the posterior, 314
Spirochæta (treponema) pallida, 464
STOOKEY, L. B., and MORRIS, MARGARET. The influence of salicylic acid upon uricolysis, 312
Streptococci, differentiation of, 428
SWEET, J. E., and LEVENE, P. A. Nuclein metabolism in a dog with Eck's fistula, 229
SYMMERS, DOUGLAS. Observations on the cytology of multiple non-inflammatory necrosis of the liver and on certain related degenerative changes in cells, 64
Syphilis, Spirochæta pallida and, 464

TEAGUE, OSCAR, and BUXTON, B. H. Electric charges carried by the hemolysins, 254
TEAGUE, OSCAR. See FIELD and TEAGUE, 86, 222
Tetanus, local immunity to, 291
THAYER, W. S., and HAZEN, H. H. Calcification of the breast following a typhoid abscess, 1
Toxin and antitoxin, electrical charge of, 86
Toxins and antitoxins, 18
Typhoid abscess, calcification with, 1

URETER, atresia of, 71, 82
Uricolysis, 312

VASCULAR lesions produced by Bacillus mallei, 241
Venom activators, 436
Venoms and antivenins, 18

WELLS, H. GIDEON. The chemistry of the liver in acute yellow atrophy, 627
WHITE, PERCIVAL G. See DUVAL and WHITE, 352
WILLIAMS, W. W. See SOLLMANN, WILLIAMS and BRIGGS, 71
WILSON, THOMAS M. On the chemistry and staining properties of certain derivatives of the methylene blue group when combined with eosin, 645
WOLLSTEIN, MARTHA. Biological relationships of Diplococcus intracellularis and gonococcus, 588

X-RAY, treatment of leukaemia with, 51

# CONTENTS.


No. 1, JANUARY 23, 1907.

PAGE

I. THAYER, W. S., and HAZEN, H. H. Calcification of the Breast Following a Typhoid Abscess ..... 1
Plate I.

II. MADSEN, TH., and NOGUCHI, H. Toxins and Antitoxins—Snake Venoms and Antivenins ..... 18

III. CAPPS, J. A., and SMITH, J. F. Experiments on the Leukolytic Action of the Blood Serum of Cases of Leukæmia Treated with X-Ray and the Injection of Human Leukolytic Serum in a Case of Leukæmia.. 51

IV. SYMMERS, DOUGLAS. Observations on the Cytology of Multiple Non-inflammatory Necrosis of the Liver and on Certain Related Degenerative Changes in Cells ..... 64

V. SOLLMANN, TORALD, WILLIAMS, W. W., and BRIGGS, C. E. Experimental Atresia of the Ureter..... 71

VI. ALLEN, DUDLEY P., and PARKER, HENRY P. Hydronephrosis of Right Kidney, Congenital Atresia of Left Ureter, and Marked Atrophy of Left Kidney.. 82

VII. FIELD, CYRUS W., and TEAGUE, OSCAR. The Electrical Charge of Toxin and Antitoxin ..... 86

VIII. HERRICK, FREDERICK C. An Experimental Study into the Cause of the Increased Portal Pressure in Portal Cirrhosis ..... 93

No. 2, MARCH 14, 1907.

IX. FLEXNER, SIMON. Contributions to the Biology of Diplococcus Intracellularis ..... 105

X. FLEXNER, SIMON. Experimental Cerebro-spinal Meningitis in Monkeys ..... 142
Plates II–V.

XI. FLEXNER, SIMON. Concerning a Serum-therapy for Experimental Infection with Diplococcus Intracellularis ..... 168




186061

PAGE

XII. BEATTIE, JAMES M. A Contribution to the Bacteriology of Rheumatic Fever ..... 186
Plate VI.

XIII. OPIE, EUGENE L., and BARKER, BERTHA I. Leucoprotease and Anti-leucoprotease of Mammals and of Birds ..... 207

XIV. FIELD, CYRUS W., and TEAGUE, OSCAR. On the Electrical Charge of the Native Proteins and the Agglutinins ..... 222

XV. CARREL, ALEXIS. Heterotransplantation of Blood Vessels Preserved in Cold Storage ..... 226

XVI. SWEET, J. E., and LEVENE, P. A. Nuclein Metabolism in a Dog with Eck's Fistula..... 229

No. 3, MAY 25, 1907.

XVII. DUVAL, CHARLES W. The Experimental Vascular Lesions Produced by Bacillus Mallei ..... 241
Plates VII and VIII.

XVIII. TEAGUE, OSCAR, and BUXTON, B. H. Electric Charges Carried by the Hemolysins ..... 254

XIX. FRANK, ROBERT T. Results Obtained by the Injection of Placenta into Animals of the Same and of Different Species ..... 263

XX. NOGUCHI, HIDEYO. The Nature of the Antitetanic Action of Eosin ..... 281

XXI. NOGUCHI, HIDEYO. Local Immunity to Tetanus in Inoculated Rats Treated with Eosin ..... 291

XXII. MELTZER, S. J., and LUCAS, D. R. Physiological and Pharmacological Studies of Magnesium Salts. V. The Influence of Nephrectomy upon their Toxicity. 298

XXIII. STOOKEY, L. B., and MORRIS, MARGARET. The Influence of Salicylic Acid upon Uricolysis ..... 312

XXIV. KRAMER, S. P. On the Function of the Posterior Spinal Ganglia ..... 314

XXV. KRAMER, S. P. The Pathogenesis of Gall Stones..... 319

No. 4, JULY 17, 1907.

XXVI. CHRISTIAN, HENRY A. Multiple Myeloma: A. Histological Comparison of Six Cases ..... 325
Plates IX–XII.

PAGE

XXVII. Duval, Charles W., and White, Percival G. The Histological Lesions of Experimental Glanders... 352
Plates XIII–XVI.

XXVIII. Duval, Charles W. A Method of Differentiating in Sections of Tissue Bacteria Decolorized by Gram's Stain ..... 381

XXIX. Egdahl, Anfin. A Study of the Effect of Intravenous Injections of Solutions of Pancreatic Tissue; with Especial Reference to the Cause of Collapse in Acute Pancreatitis ..... 385

XXX. Opie, Eugene L. Experimental Pleurisy—Resolution of a Fibrinous Exudate ..... 391

XXXI. Opie, Eugene L. The Transformation of Serofibrinous into Purulent Pleurisy ..... 414

XXXII. Buerger, Leo. The Differentiation of Streptococci by Means of Fermentative Tests..... 428

XXXIII. Noguchi, Hideyo. On Extracellular and Intracellular Venom Activators of the Blood, with Especial Reference to Lecithin and Fatty Acids and their Compounds ..... 436

XXXIV. Noguchi, Hideyo. On the Influence of the Reaction and of Desiccation upon Opsonins ..... 455

XXXV. Flexner, Simon. Spirochæta (Treponema) Pallida and Syphilis ..... 464
Plate XVII.

No. 5, September 21, 1907.

XXXVI. Manwaring, Wilfred H., and Ruh, Harold O. The Effect of Certain Surgical Antiseptics and Therapeutic Agents on Phagocytosis. I. Carbolic Acid, Mercuric Chloride, Boric Acid, Quinine Hydrochloride ..... 473

XXXVII. Simon, Charles E. A Further Contribution to the Knowledge of the Opsonins ..... 487

XXXVIII. Opie, Eugene L. Opsonins of Inflammatory Exudates ..... 515

XXXIX. Jackson, Holmes C., and Pearce, Richard M. Experimental Liver Necrosis: I. The Hexon Bases ..... 520

PAGE

XL. PEARCE, RICHARD, M., and JACKSON, HOLMES, C. Experimental Liver Necrosis: II. Enzymes.... 534

XLI. PEARCE, RICHARD, M., and JACKSON, HOLMES, C. Experimental Liver Necrosis: III. Nitrogenous Metabolism ..... 552

XLII. JACKSON, HOLMES C., and PEARCE, RICHARD M. Experimental Liver Necrosis: IV. Nuclein Metabolism ..... 569

XLIII. JACKSON, HOLMES C., and PEARCE, RICHARD M. Experimental Liver Necrosis: V. The Fats and Lipoids ..... 578

XLIV. WOLLSTEIN, MARTHA. Biological Relationships of Diplococcus Intracellularis and Gonococcus..... 588

XLV. JOSEPH, DON R. Further Investigation upon the Influence of Organ Extracts of Cold-blooded Animals on the Blood Pressure..... 606

No. 6, NOVEMBER, 1907.

XLVI. WELLS, H. GIDEON. The Chemistry of the Liver in Acute Yellow Atrophy ..... 627

XLVII. WILSON, THOMAS M. On the Chemistry and Staining Properties of Certain Derivatives of the Methylene Blue Group when Combined with Eosin ..... 645

XLVIII. OTT, ISAAC, and SCOTT, JOHN C. Fever: Its Metabolic Changes ..... 671